

Special Issue

Nephrolithiasis: Advances in Diagnosis, Treatment, and Prognosis

Message from the Guest Editor

Nephrolithiasis is a condition that is growing in incidence worldwide. The development of kidney stones is multifactorial, leading to the deposits of minerals in the renal pelvis or calyces in a free or attached way to the renal papillae. Nonetheless, one of the leading causes of this increase is dietary habit modifications with an increased consumption of fat, sodium, animal proteins, and refined sugar and the decreased intake of fibers. Concerning diagnosis, patients usually present with typical renal colic. During evaluation, it is essential to have an X-ray of the patient before surgery, looking for anatomy abnormalities, and after surgery, for surveillance. Same as other surgical fields, the management of symptomatic kidney stones has evolved over the years. The arrival of minimal invasive treatments and of new technologies has focused on reducing the morbidity of the patient and bringing more efficient procedures. Those recent innovations include new single-use flexible endoscopes, the introduction of robots in endourology and, of course, new laser technologies. The aim of this Special Issue is to provide new insides about nephrolithiasis.

Guest Editor

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Deadline for manuscript submissions

closed (25 July 2022)



Journal of Clinical Medicine

an Open Access Journal
by MDPI

Impact Factor 2.9
CiteScore 5.2
Indexed in PubMed



mdpi.com/si/96891

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